	Application No.	Applicant(s)
Notice of Allowability	10/828,328	SORIMACHI, HARUO
	Examiner	Art Unit
	Bradley K. Smith	2891
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in ) or other appropriate commining the commining of t	n this application. If not included unication will be mailed in due course. <b>THIS</b>
1. This communication is responsive to		
2. ☑ The allowed claim(s) is/are <u>1-4</u> .	,	
3. The drawings filed on 21 April 2004 are accepted by the E	xaminer.	
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority una)  All b)  Some* c)  None of the: <ol> <li>Certified copies of the priority documents have</li> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).</li> </ol> </li> <li>* Certified copies not received:</li> </ul>	e been received. e been received in Applicatio	on No
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which giv	nitted. Note the attached EX es reason(s) why the oath o	AMINER'S AMENDMENT or NOTICE OF reclaration is deficient.
6. CORRECTED DRAWINGS ( as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date (learning indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date (learning indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date (learning indicia such as the application number (see 37 CFR 1) and the paper No./Mail Date (learning indicia).	son's Patent Drawing Review s Amendment / Comment of 84(c)) should be written on the header according to 37 CF	r in the Office action of he drawings in the front (not the back) of R 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	ERIAL must be submitted. Note the DLOGICAL MATERIAL.
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview S	formal Patent Application (PTO-152) ummary (PTO-413), /Mail Date
<ul> <li>3.  Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4/21/04</li> <li>4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	08), 7. ⊠ Examiner's	Amendment/Comment Statement of Reasons for Allowance

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: In the Title delete "Method of production of semiconductor device" and replace with - - The method of vias on an electrode terminal - -

2. The following is an examiner's statement of reasons for allowance: the prior art of record neither teaches nor suggests electrolessly plating the electrode terminals in order to cover the surfaces of the electrode terminals forming a protective film, grinding the backside of the wafer, covering the wafer with a resin, focusing a laser beam above the electrode terminal to form via holes in the laminate exposing the bottom protective film and filling the via holes by electroplating.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yamamoto et al. (US Pregrant Publication 2002/0081530) disclose forming via holes above an electrode by focusing an laser beam on the laminate. Nishiyama (US Pregrant Publication 2002/0192867) disclose the formation of chip-like electronic components.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bradley K. Smith whose telephone number is (571) 272-1884. The examiner can normally be reached on 10-6 Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Baumeister can be reached on (571) 272-1722. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**Brad Smith** 

Primary Examiner

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